

# Status of MINOS

Fermilab Collaboration Meeting

4/1/2011

Rob Plunkett

# Welcome and meeting details

- More “do it yourself” because of budget restrictions.
- All registrations go to Benton (during breaks – please do it early!!!)
- Breaks outside 1-West
- Dinner at Riverside Receptions Batavia.

# This Talk – Unusual Structure

- Begin with Report on Soudan mine and MINOS status : Marvin, Bill.
- Beam collected
- Target
- Spares
- Plans for this meeting : Rob
- Analysis : Will be in Tricia talk following
- Publications : Will be in Brian Talk following

# Marvin and Bill

- Soudan Incident has “worked” as 3 parts
- Fire and life-safety – mostly Minnesota DNR
- Laboratory – University of Minnesota.
- Detectors – collaboration.
- Marvin and Bill have taken an amazing amount of responsibility and done medal of honor work.
- We all owe them a debt of gratitude
- Thanks are due to many, many others as well.

# Target

- We have collected about  $3e20$  POT in RHC mode
- Target (NT05) had long-term leak that was managed. Worsened in December – had to stop 2/24
- Design was looked at by teams from RAL and Fermilab – concurrence on weak point.
- Surgery on NT06 has proceeded fast, beam should be back on in a couple of weeks
- After that only spare would be resurrecting NT02, working on but not easy.
- All the facts in Jim talk.

# Spares

- 2 new targets with tip have been ordered from Russia : should arrive September
- 1 carrier is in production in UK
  - This is good news as it will potentially save time if there is another emergency after targets arrive
  - UK also making Nova targets
  - Could help in an emergency
  - Horn spares in Hylen talk.

# Analysis Issues

- Outstanding issues
  - Detector monitoring – do we have problems?
  - People power

# Goals for this meeting

- Nue box opening discussion/ do it??
- Discuss Outstanding analysis issues
  - Detector monitoring – do we have problems?
  - People power
- Agreement on run/publication plan for summer/fall 2011
- Agreement on MINOS+
  - Running the experiment in the NOvA era and the intermediate period:
    - Jenny's talk and DocDB 7923



# Future Meetings

- WIW 2011
  - Heavy load now on Bill/Jerry – we should see if help is required and do it.
  - Spokespeople feel STRONGLY that this meeting is more important than ever.
- September meeting in FNAL 9/22
- No winter meeting in 2011-12

# A Thank You

- People have pitched in to make the breaks, registration, dinner, happen.
- YOUNG MINOS has come through in the pinch to organize so no-one is overwhelmed.
- Crae has worked in many things even under a killer schedule.
- I personally feel very grateful at this moment.

MANY MANY MANY THANKS to these people